

# IZIDPUG Technical Datasheet

## Indoor AI Data Processing Unit

Rev. B



### Key Features and Benefits

- ✓ Designed for Parking, Car Wash, Access Control and Security
- ✓ Supports up to 8 cameras - camera agnostic for maximum flexibility
- ✓ NVIDIA® Artificial Intelligence (AI) GPU processor for lightning fast processing
- ✓ RoadView video analytics for in-depth vehicle analysis
- ✓ Integrated with IZCloud
- ✓ Wide temperature range - operating from 32°F to 113°F (0°C to 45°C)
- ✓ NDAA Section 889 compliant



# Specifications

Item		Specification		
Supported Analytics	LPR Analytics	Plate Recognition, State Identification, Plate Type		
	Vehicle Analytics	Vehicle Detection, Classification, Color, Make; Vehicle Without Plate		
Integrated Cameras	Inex Cameras	IZ600F, IZB600F		
	3rd Party Cameras	Any camera which supports the RTSP streaming protocol and H.264 encoding can be integrated with this AI Data Processing Unit		
Processing Power	Processing Power (fps)	40		
Number of Cameras Supported	Triggering Modes:	<b>Triggered</b>	<b>Non-Triggered</b>	<b>On-Demand</b>
	< 20 mph (32 km/h)	8	4	4
	20-40 mph (32-64 km/h)	8	2	2
	40-80 mph (64-128 km/h)	8	1	1
Video Input	Streaming Protocol	RTSP		
	Video Compression	H.624		
	Video Resolution	Up to 3 MP		
Supported Protocols (for additional protocols, see the RoadView documentation)	Inex HTTP API	LPR Events are reported via protocols such as the Inex HTTP API protocol. Each LPR Event includes metadata and associated images.		
	Inex Discovery	The Inex Discovery Protocol is used by the IZ Discovery utility to find all devices connected to the LAN. IZ Discovery also enables display and editing of each device's network settings.		
AI Processor	GPU	NVIDIA Maxwell architecture with 128 CUDA® cores		
	CPU	Quad-core ARM Cortex-A57 MPCore processor		
	RAM	4 GB 64-bit LPDDR4, 1600MHz 25.6 GB/s		
	System and Data Storage	250 GB		

Item		Specification
Environmental	Operating Temperature	32°F to 113°F (0°C to 45°C); 0.2-0.3m/s air flow; according to GB/T 2423-2008
	Storage Temperature	-13°F to +176°F (-25°C to +80°C)
	Humidity	10% - 90% RH, non-condensing
	Vibration	1 Grms,10Hz~150Hz, 3 Axis; according to GB/T 2423.10-2008
	ESD	Touch 4KV, Air 8KV; according to IEC 61000-4-2, Level 3
	TVS	1 KV
Certifications	EMC	FCC Part 15, subpart B; CE
	RoHS	EU RoHS Directive 2011/65/EU and its amendment directives 2015/863/EU (RoHS 2.0)
	NDAA	NDAA Section 889 compliant
Physical	Dimensions (W x H x D)	4.33" x 2.52" x 2.52" (110 x 64 x 64 mm)
	Weight	1.05 lbs (475 g)
	Color	Black

Item		Specification	
Interfaces	Front Panel	POWER	Press button once for power on; hold for hard reset (turns power off then on again)
		RECOVERY	(Not for user)
		RESET	Press button to reset the unit
		HDMI	HDMI 2.0, Type A, 5V, 1A
		USB 2.0	USB 2.0, Type A, 5V, 1A
		USB 3.0	USB 3.0, Type A, 5V, 1A
		Micro USB	Flashing port, 5V, 1A
	Left Panel	DC 12V	Power interface; male barrel socket, 12 VDC input
		LAN	1 Gigabit Ethernet port
	Back Panel	Power LED	Carrier board status indicator: <ul style="list-style-type: none"> <li>• Yellow: Power on</li> <li>• White: System on</li> <li>• Red: System error</li> </ul>
Status LEDs		System status indicator: <ul style="list-style-type: none"> <li>• Blue: System on</li> <li>• Red: System off</li> </ul>	
Micro SD slot		TF socket; for TF card 3.3 V, 1 A	
Power	Input	12 VDC	
	Typical Power Consumption	18 W	
Accessories	Accessories Included	12 VDC power adapter	

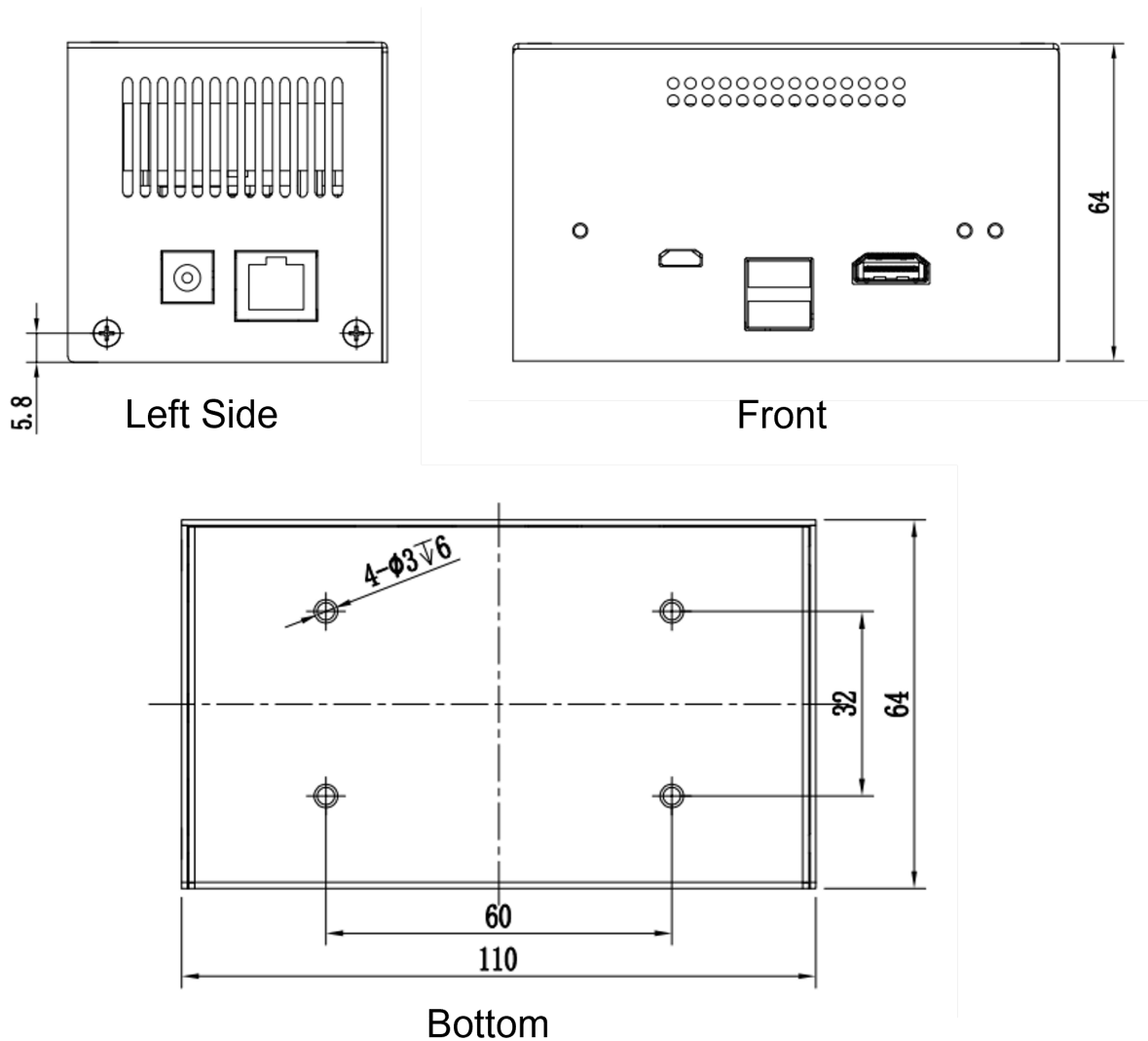
## Ordering Information

Part Number	Description
IZIDPUG-US	Indoor AI Data Processing Unit; power supply input cable as per US outlet standard
IZIDPUG-EU	Indoor AI Data Processing Unit; power supply input cable as per EU outlet standard

## Standard Package Contents

- IZIDPUG, Indoor AI Data Processing Unit
- 12 VDC, 5A Power Supply with barrel connector; input cable as per US or EU outlet standard

## Dimensions (mm)



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